

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/780,035

DATE: 03/14/2001
 TIME: 18:29:52

Input Set : A:\Pto.amc
 Output Set: N:\CRF3\03142001\I780035.raw

3 <110> APPLICANT: Ghayur, Tarig et al.
 6 <120> TITLE OF INVENTION: ANTIBODIES THAT BIND HUMAN INTERLEUKIN-18 AND METHODS
 7 OF MAKING AND USING
 9 <130> FILE REFERENCE: BBI-149
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/780,035
 C--> 12 <141> CURRENT FILING DATE: 2001-02-09
 14 <150> PRIOR APPLICATION NUMBER: 60/181,608
 15 <151> PRIOR FILING DATE: 2000-02-10
 17 <160> NUMBER OF SEQ ID NOS: 71
 19 <170> SOFTWARE: PatentIn Ver. 2.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 15
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Homo sapiens
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 28 1 5 10 15
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 16
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 2
 37 Cys Pro Leu Phe Glu Asp Met Thr Asp Ser Asp Cys Arg Asp Asn Ala
 38 1 5 10 15
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 42 <211> LENGTH: 12
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Homo sapiens
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 48 1 5 10
 51 <210> SEQ ID NO: 4
 52 <211> LENGTH: 157
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Homo sapiens
 56 <400> SEQUENCE: 4
 57 Tyr Phe Gly Lys Leu Glu Ser Lys Leu Ser Val Ile Arg Asn Leu Asn
 58 1 5 10 15
 60 Asp Gln Val Leu Phe Ile Asp Gln Gly Asn Arg Pro Leu Phe Glu Asp
 61 20 25 30
 63 Met Thr Asp Ser Asp Cys Arg Asp Asn Ala Pro Arg Thr Ile Phe Ile
 64 35 40 45
 66 Ile Ser Met Tyr Lys Asp Ser Gln Pro Arg Gly Met Ala Val Thr Ile
 67 50 55 60
 69 Ser Val Lys Cys Glu Lys Ile Ser Thr Leu Ser Cys Glu Asn Lys Ile
 70 65 70 75 80
 72 Ile Ser Phe Lys Glu Met Asn Pro Pro Asp Asn Ile Lys Asp Thr Lys

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73                               85                               90                               95
75 Ser Asp Ile Ile Phe Phe Gln Arg Ser Val Pro Gly His Asp Asn Lys
76                               100                               105                               110
78 Met Gln Phe Glu Ser Ser Ser Tyr Glu Gly Tyr Phe Leu Ala Cys Glu
79                               115                               120                               125
81 Lys Glu Arg Asp Leu Phe Lys Leu Ile Leu Lys Lys Glu Asp Glu Leu
82                               130                               135                               140
84 Gly Asp Arg Ser Ile Met Phe Thr Val Gln Asn Glu Asp
85 145                               150                               155
88 <210> SEQ ID NO: 5
89 <211> LENGTH: 153
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 5
94 Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp Ser Gln Gln Lys
95 1                               5                               10                               15
97 Ser Leu Val Met Ser Gly Pro Tyr Glu Leu Lys Ala Leu His Leu Gln
98                               20                               25                               30
100 Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met Ser Phe Val Gln
101                               35                               40                               45
103 Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu Gly Leu Lys Glu
104                               50                               55                               60
106 Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp Lys Pro Thr Leu
107 65                               70                               75                               80
109 Gln Leu Glu Ser Val Asp Pro Lys Asn Tyr Pro Lys Lys Lys Met Glu
110                               85                               90                               95
112 Lys Arg Phe Val Phe Asn Lys Ile Glu Ile Asn Asn Lys Leu Glu Phe
113                               100                               105                               110
115 Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr Ser Gln Ala Glu
116                               115                               120                               125
118 Asn Met Pro Val Phe Leu Gly Gly Thr Lys Gly Gly Gln Asp Ile Thr
119                               130                               135                               140
121 Asp Phe Thr Met Gln Phe Val Ser Ser
122 145                               150
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126 <211> LENGTH: 145
127 <212> TYPE: PRT
128 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 6
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132 1                               5                               10                               15
134 Phe Tyr Leu Arg Asn Asn Gln Leu Val Ala Gly Tyr Leu Gln Gly Pro
135                               20                               25                               30
137 Asn Val Asn Leu Glu Glu Lys Ile Asp Val Val Pro Ile Glu Pro His
138                               35                               40                               45
140 Ala Leu Phe Leu Gly Ile His Gly Gly Lys Met Cys Leu Ser Cys Val
141                               50                               55                               60
143 Lys Ser Gly Asp Glu Thr Arg Leu Gln Leu Glu Ala Val Asn Ile Thr
144 65                               70                               75                               80

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146 Asp Leu Ser Glu Asn Arg Lys Gln Asp Lys Arg Phe Ala Phe Ile Arg
147                               85                               90                               95
149 Ser Asp Ser Gly Pro Thr Thr Ser Phe Glu Ser Ala Ala Cys Pro Gly
150                               100                              105                              110
152 Trp Phe Leu Cys Thr Ala Met Glu Ala Asp Gln Pro Val Ser Leu Thr
153                               115                              120                              125
155 Asn Met Pro Asp Glu Gly Val Met Val Thr Lys Phe Tyr Phe Gln Glu
156          130                               135                               140
158 Asp
159 145
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163 <211> LENGTH: 297
164 <212> TYPE: PRT
165 <213> ORGANISM: Homo sapiens
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171 Leu Lys His Cys Ser Cys Ser Leu Ala His Glu Ile Glu Thr Thr Thr
172                               20                               25                               30
174 Lys Ser Trp Tyr Lys Ser Ser Gly Ser Gln Glu His Val Glu Leu Asn
175          35                               40                               45
177 Pro Arg Ser Ser Ser Arg Ile Ala Leu His Asp Cys Val Leu Glu Phe
178          50                               55                               60
180 Trp Pro Val Glu Leu Asn Asp Thr Gly Ser Tyr Phe Phe Gln Met Lys
181   65                               70                               75                               80
183 Asn Tyr Thr Gln Lys Trp Lys Leu Asn Val Ile Arg Arg Asn Lys His
184                               85                               90                               95
186 Ser Cys Phe Thr Glu Arg Gln Val Thr Ser Lys Ile Val Glu Val Lys
187          100                              105                              110
189 Lys Phe Phe Gln Ile Thr Cys Glu Asn Ser Tyr Tyr Gln Thr Leu Val
190          115                              120                              125
192 Asn Ser Thr Ser Leu Tyr Lys Asn Cys Lys Lys Leu Leu Glu Asn
193          130                              135                              140
195 Asn Lys Asn Pro Thr Ile Lys Lys Asn Ala Glu Phe Glu Asp Gln Gly
196 145                              150                              155                              160
198 Tyr Tyr Ser Cys Val His Phe Leu His His Asn Gly Lys Leu Phe Asn
199          165                              170                              175
201 Ile Thr Lys Thr Phe Asn Ile Thr Ile Val Glu Asp Arg Ser Asn Ile
202          180                              185                              190
204 Val Pro Val Leu Leu Gly Pro Lys Leu Asn His Val Ala Val Glu Leu
205          195                              200                              205
207 Gly Lys Asn Val Arg Leu Asn Cys Ser Ala Leu Leu Asn Glu Glu Asp
208          210                              215                              220
210 Val Ile Tyr Trp Met Phe Gly Glu Glu Asn Gly Ser Asp Pro Asn Ile
211 225                              230                              235                              240
213 His Glu Glu Lys Glu Met Arg Ile Met Thr Pro Glu Gly Lys Trp His
214          245                              250                              255
216 Ala Ser Lys Val Leu Arg Ile Glu Asn Ile Gly Glu Ser Asn Leu Asn
217          260                              265                              270

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219 Val Leu Tyr Asn Cys Thr Val Ala Ser Thr Gly Gly Thr Asp Thr Lys
220      275      280      285
222 Ser Phe Ile Leu Val Arg Lys Ala Asp
223      290      295
226 <210> SEQ ID NO: 8
227 <211> LENGTH: 310
228 <212> TYPE: PRT
229 <213> ORGANISM: Homo sapiens
231 <400> SEQUENCE: 8
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233 1      5      10      15
235 Ile Asp Val Arg Pro Cys Pro Leu Asn Pro Asn Glu His Lys Gly Thr
236      20      25      30
238 Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr Pro Val Ser Thr Glu Gln
239      35      40      45
241 Ala Ser Arg Ile His Gln His Lys Glu Lys Leu Trp Phe Val Pro Ala
242      50      55      60
244 Lys Val Glu Asp Ser Gly His Tyr Tyr Cys Val Val Arg Asn Ser Ser
245 65      70      75      80
247 Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys Phe Val Glu Asn Glu Pro
248      85      90      95
250 Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe Lys Gln Lys Leu Pro Val
251      100      105      110
253 Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr Met Glu Phe Phe Lys Asn
254      115      120      125
256 Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp Tyr Lys Asp Cys Lys Pro
257      130      135      140
259 Leu Leu Leu Asp Asn Ile His Phe Ser Gly Val Lys Asp Arg Leu Ile
260 145      150      155      160
262 Val Met Asn Val Ala Glu Lys His Arg Gly Asn Tyr Thr Cys His Ala
263      165      170      175
265 Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro Ile Thr Arg Val Ile Glu
266      180      185      190
268 Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr Arg Pro Val Ile Val Ser
269      195      200      205
271 Pro Ala Asn Glu Thr Met Glu Val Asp Leu Gly Ser Gln Ile Gln Leu
272      210      215      220
274 Ile Cys Asn Val Thr Gly Gln Leu Ser Asp Ile Ala Tyr Trp Lys Trp
275 225      230      235      240
277 Asn Gly Ser Val Ile Asp Glu Asp Asp Pro Val Leu Gly Glu Asp Tyr
278      245      250      255
280 Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg Arg Ser Thr Leu Ile Thr
281      260      265      270
283 Val Leu Asn Ile Ser Glu Ile Glu Ser Arg Phe Tyr Lys His Pro Phe
284      275      280      285
286 Thr Cys Phe Ala Lys Asn Thr His Gly Ile Asp Ala Ala Tyr Ile Gln
287      290      295      300
289 Leu Ile Tyr Pro Val Thr
290 305      310

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293 <210> SEQ ID NO: 9
294 <211> LENGTH: 6
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
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304 <211> LENGTH: 17
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306 <213> ORGANISM: Homo sapiens
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312 Gln
316 <210> SEQ ID NO: 11
317 <211> LENGTH: 4
318 <212> TYPE: PRT
319 <213> ORGANISM: Homo sapiens
321 <400> SEQUENCE: 11
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323   1
326 <210> SEQ ID NO: 12
327 <211> LENGTH: 11
328 <212> TYPE: PRT
329 <213> ORGANISM: Homo sapiens
331 <400> SEQUENCE: 12
332 Gln Gly Asp Ser Leu Arg His Phe Tyr Pro Asn
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337 <211> LENGTH: 7
338 <212> TYPE: PRT
339 <213> ORGANISM: Homo sapiens
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343   1               5
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347 <211> LENGTH: 11
348 <212> TYPE: PRT
349 <213> ORGANISM: Homo sapiens
351 <400> SEQUENCE: 14
352 Gly Ser Arg Asp Ser Ser Gly Ile His Val Val
353   1               5               10
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357 <211> LENGTH: 11
358 <212> TYPE: PRT
359 <213> ORGANISM: Homo sapiens
361 <400> SEQUENCE: 15
362 Gln Gly Asp Ser Leu Arg His Phe Tyr Ser Asn

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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date